

Title (en)

OVERLOAD DETECTION FOR AN AIRCRAFT LANDING GEAR

Title (de)

ÜBERLASTERKENNUNG FÜR EIN FLUGZEUGFAHRWERK

Title (fr)

DETECTION DE SURCHARGE POUR TRAIN D'ATERRISSAGE D'AERONEF

Publication

EP 2190737 A1 20100602 (EN)

Application

EP 08806330 A 20080919

Priority

- GB 2008003175 W 20080919
- GB 0718297 A 20070919

Abstract (en)

[origin: GB2452939A] An overload detecting assembly comprises a first load bearing member (10) adapted to flex laterally in response to a load to be monitored, a second load bearing member (11) spaced from the first under normal load conditions and which is contacted and loaded by the first load bearing member (10) when it is loaded beyond a load limit. Preferably, the first load bearing member (10) has a yield point below the load limit and takes a permanent set once the yield point has been exceeded. A lateral probe (18) cooperates with the first load bearing member as it moves towards the second load bearing member and in turn deflects an indicator member (20) which takes a permanent set when a yield point is exceeded. Ready inspection of the indicator member then reveals whether or not it has been bent.

IPC 8 full level

B64C 25/00 (2006.01); **B64F 5/00** (2006.01)

CPC (source: EP GB US)

B64C 25/00 (2013.01 - EP US); **B64F 5/60** (2016.12 - EP US); **F16C 11/045** (2013.01 - EP US); **F16C 17/24** (2013.01 - EP US); **G01B 5/30** (2013.01 - GB); **G01G 19/08** (2013.01 - GB); **G01L 1/06** (2013.01 - GB); **G01L 5/00** (2013.01 - GB); **G01L 5/0071** (2013.01 - EP US); **B64D 2045/008** (2013.01 - EP US); **F16C 2326/43** (2013.01 - EP US)

Citation (search report)

See references of WO 2009037465A1

Cited by

CN104058101A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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